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## (54) Dip tubes and valved couplings for use with a collapsible bag

(57) A dip tube (10) includes at least one channel (10C<sub>1</sub>, 10C<sub>2</sub>) in the peripheral surface thereof extending along substantially the entire length of the dip tube. As suction is applied to the dip tube any air is extracted and then a liquid product is dispensed from collapsible bag (16) as the bag collapses. The bag (6) has a fitment

(14) to which a valve (17) with a quick-disconnect coupling is connected, the dip tube being mounted in either the fitment or the valve. The coupling of the valve is adapted to receive a mating coupling from a socket of a dispensing hose. When the respective couplings are engaged the valve is opened, it being biased to a closed position by a coiled spring or a compressible sleeve when the couplings are not engaged.

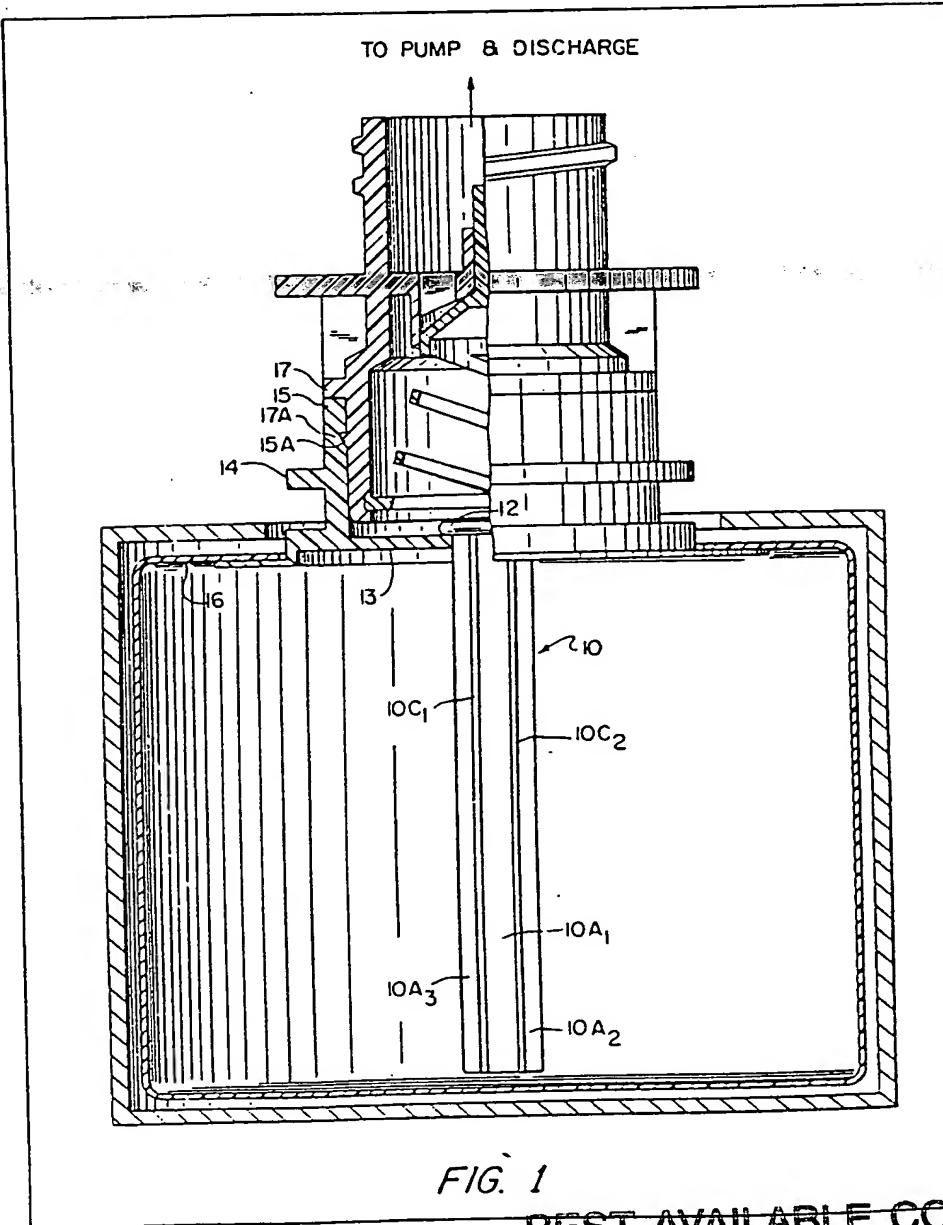


FIG. 1

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